

## INTERNATIONAL SEARCH REPORT

national Application No

T/GB2004/002614

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01V1/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HIROKAZU MORIYA ET AL.: "Precise source location of AE doublets by spectral matrix analysis of triaxial hodogram" GEOPHYSICS, vol. 59, no. 1, January 1994 (1994-01), pages 36-45, XP002303290 cited in the application	1-4, 7-13, 15-19
Y	the whole document	1-24
Y	WO 97/39367 A (AMOCO CORP) 23 October 1997 (1997-10-23) page 4, lines 19-31 page 7, line 13 - page 9, line 5 figures 3,11	1-24
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

29 October 2004

Date of mailing of the international search report

09/11/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Modesto, C

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	VANCE J B ET AL: "IMPROVED DETERMINATION OF MICROSEISMIC SOURCE LOCATION USING A SIMPLEX TECHNIQUE" IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, IEEE INC. NEW YORK, US, vol. 24, no. 4, 1 July 1988 (1988-07-01), pages 666-671, XP000005898 ISSN: 0093-9994 the whole document	1-24
A	US 2001/047245 A1 (SCHWARTZBARD ALAN E ET AL) 29 November 2001 (2001-11-29) page 3, paragraph 24 - page 5, paragraph 45 figures 1-4	1-24
A	US 6 018 498 A (GRISMORE JOHN RICHARD ET AL) 25 January 2000 (2000-01-25) column 4, line 55 - column 8, line 61 figures 1-10	1-24

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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